

Out-of-band Configuration Assessment (OCA)

Make your Inaccessible, Sensitive Assets visible to your Vulnerability and Compliance Program

Shailesh Athalye
Director, Compliance Solutions
Qualys, Inc.

Agenda

Use-cases on why some of the big customers eagerly waiting Workflow and the Demo Content support Roadmap



Use case:

Two of the biggest Banks

Disconnected/Inaccessible systems to be a part of overall Vulnerability, Risk and Compliance program

Sensitive Systems/Regulated Devices

Legacy Systems Highly locked down systems Network Appliances Air-gapped Networks









Use case:

Visibility Matters to the...

search engine tech company and Healthcare network

Impacts to security program include:



Incomplete Asset Inventory

Exposure to Unknown Vulnerabilities & Misconfigurations

Ineffective Risk Evaluation

Compliance in silos



Current Options

Ad-hoc scripts

Procedural controls (manual assessment) Outside audits

Limited software-based solutions



Introducing

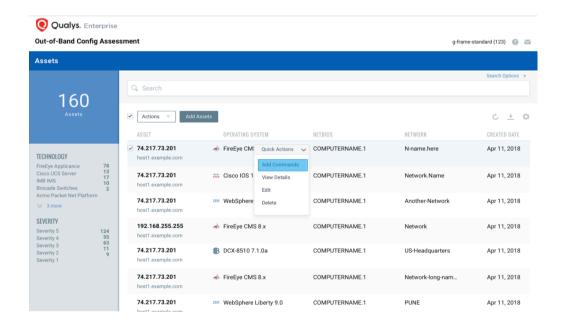
Out-of-Band Configuration Assessment

OCA, add-on to VM/PC

Flexible Data Collection via API/UI

Support for Inventory, Policy Compliance and Vulnerability Assessment

Bulk data, Automated and Customizable





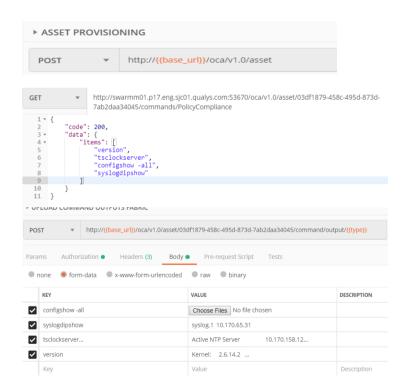
Configuration Upload Workflow

Push the Asset data

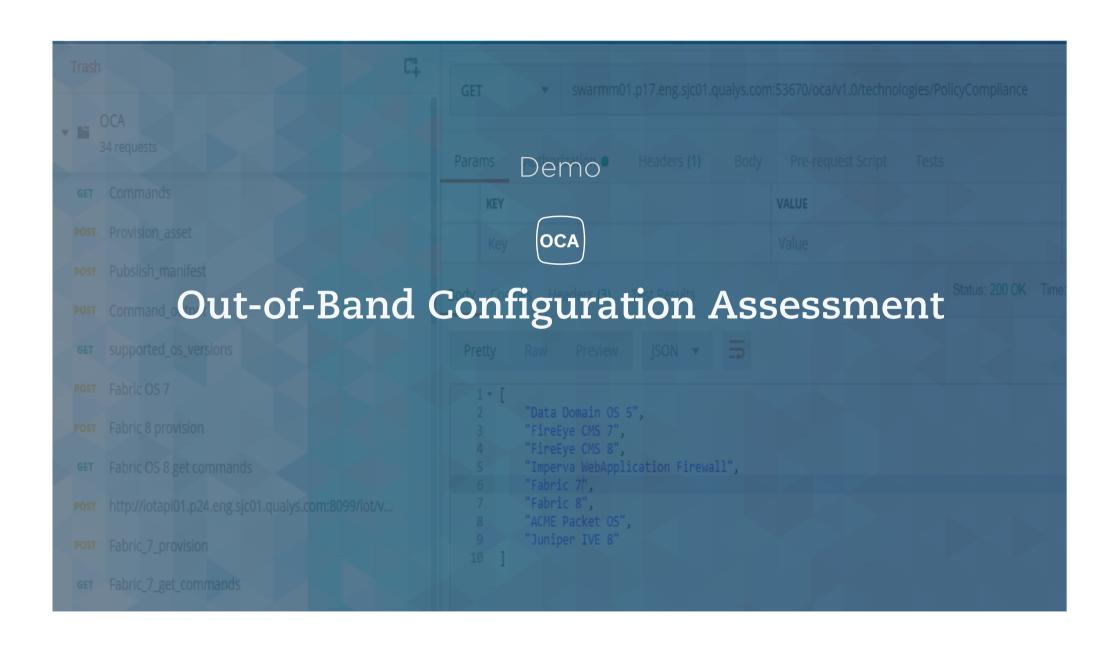
Upload Configuration Data

Qualys creates agent-based data snapshot

Report Generation







Qualys OCA Benefits



Cover Your Blind Spots Quickly

For urgently required technologies, as an interim method till scanner or agent support is available



Complete Vulnerability & Compliance Visibility

Assess isolated, and locked-down systems for misconfiguration and vulnerabilities



Flexible Data Collection

Fully automate data collection out-of-band via API or upload manually via the UI.



Expanded Platform Coverage

Extends Qualys coverage to legacy and uncommon platforms, including network devices, applications, appliances, mainframes, and more.



Technology Support

V0.9 and v1.0 release November - 2018

FireEye Appliances

BigIP F5

Brocade DCX Switch

Acme Packet Net

Imperva Firewall

Cisco Wireless Lan Controller 7

Cisco UCS Server

NetApp OnTap

Juniper IVE

Future Priorities

AS/400

Cisco Meraki

Sonic Firewall

Fortinet Firewalls

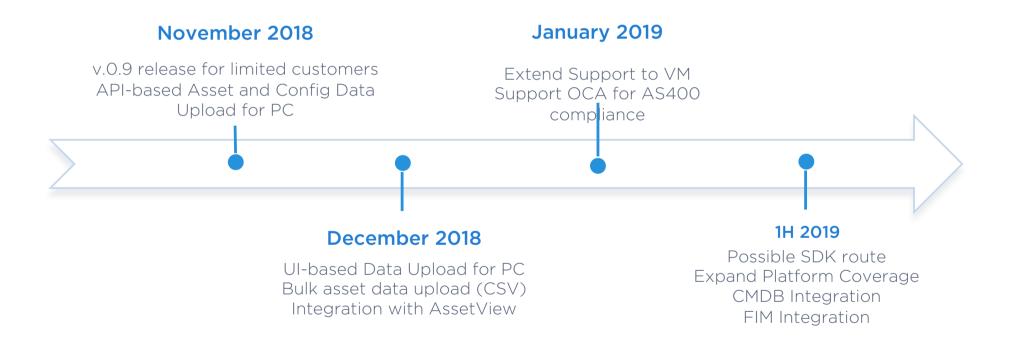
Aruba WLC

Dell EMC Data Domain

Oracle Tape Library



Availability & Roadmap







Thank You

Shailesh Athalye sathalye@qualys.com



Security Assessment Questionnaire

Automate the Assessment of Procedural Controls & Vendor Risk

Shailesh Athalye

Director, Compliance Solutions, Qualys, Inc.

Agenda

How SAQ compliments Qualys technical security Apps -

Internal Procedural controls Assessment Vendor Control & Risk Assessment

Content support

Demo

Roadmap

Preview of Future use case: Customer risk management as a vendor



One of the biggest Financial Institute

Assesses their Internal Procedural and Process controls

Need to comply with number of International and regional mandates/



Took 2 hours to rebuild Excel based 76 question assessment using web-based UI and Out-of-box Rich content

They understand >50% compliance requirements are related to assessing processes and procedures



Dashboards the process deficiencies and risk posed by Internal controls failure

Important that Respondents find it easy and make the collected data actionable



Consolidates the Internal procedural control posture with Technical compliance controls



New-age Vendor Assessment Challenges

Extend the Perimeter to include vendors - security & vulnerability data collection

Vendor Profiling based on the services, Vendor Assessment based on criticality

Vendor control data aggregation with Internal security and compliance data

Automated workflow, operational dashboards

	SOURCE OF ATTACK	FINANCIAL IMPACT	REPUTATIONAL IMPACT
TARGET	Attackers stole credentials from 3 rd Party vendor to breach network	\$200 million in costs (to date)	1
	Attackers breached network via 3 rd Party vendor	Estimated \$2-3 billion in fraud charges	1
LOWE'S	Breach due to 3 rd Party vendor	Estimated \$3 billion in fraud charges	/
Google	Google's Australia office hacked via 3 rd Party HVAC vendor	Impact TBD	/
YAH00!	Yahoo Mail accounts hacked due to 3 rd Party database breach	Impact TBD	
T · · Mobile	T-Mobile customer PII data stolen from Experian (3 rd Party) server	15 million customers' PII stolen	1





One of the biggest pharma company

Assessing their vendor risk through SAQ



Vendors Profiling — Defines Criticality based on Service areas/Cybersecurity domains



Assesses vendors per their risk profile, in a standardized (SIG) manner



Uses out-of-the-box content, including regional mandates



Dashboards the risk posed by the highly critical vendors and ranks them per risk



Easy online workflow for the vendors, receives reminders, alerts and status



Consolidates the vendor control posture with Internal procedural & technical compliance controls



Rich Template Library

Industry

PCI DSS SAQ A, B, C, D
IT for SOX
GLBA
BASEL 3 (IT)
HIPAA
HITRUST
NERC CIP v5
SWIFT

Popular Standards

ISO 27001-2013 ISMS
NIST CSF
COBIT 5
FedRAMP
COSO
ITIL
CIS TOP 20 Controls
Shared Assessment
(SIG) *- vendor

Regional

GDPR

Abu Dhabi Info Sec Standards ANSSI (France) MAS IBTRM (Singapore) BSP (Philippines) BSI Germany ISM (Australia) UK Data Protection RBI Guidelines (India) California Privacy** Canada Data Protection 2018**

Technical Services

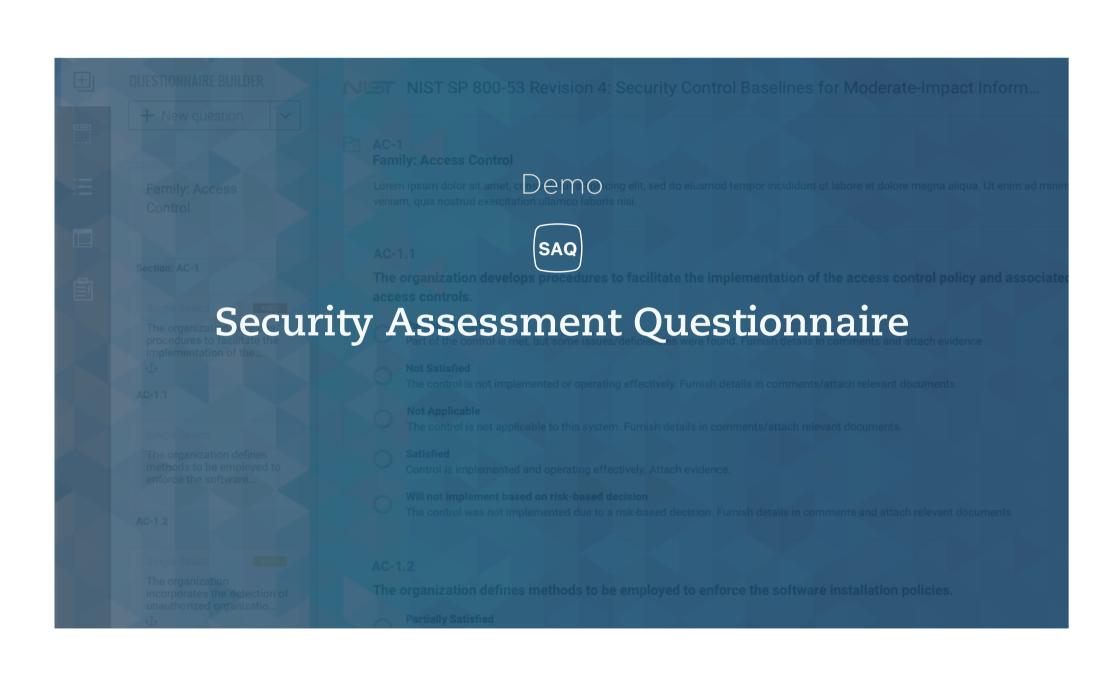
CSA CAIQ v3.0.1 CSA CCM v3.0.1 Vendor Security for Hosting Service Provider AWS ** Procedural controls for cloud, containers**

- * Includes premium content Shared Assessments (SIG)
- Use as-is or customize to your needs



NERC CIP

assessment



SAQ Roadmap

Q3 2018

User/Role/Privilege Management
Question Bank
Create template from
library templates
New campaign UI
Risk scoring

Q1 2019

Vendor-driven workflows to cater to customers

- Create answer bank,
- Upload customer required templates
 - Match on Keywords
- Metrics, Dashboards on risk posed to my customers

Q4 2018

SAQ Lite – for PCI users Vendor Risk Management workflows

- Vendor Onboarding, Profiling
- Automated assessment based on Vendor profiles/onboarding
- Compare vendors based on risk scores
 - Dashboards on total Vendor risk/ Trending/Top 5 risky vendors

^{*} Roadmap items are future looking; timing and specifications may change



In the world where everyone is a vendor of someone SAQ Feature coming up in Q1: Answer bank Technology company wants to understand Risk posed to the customers



Receives 100s of questionnaires from their customers and answers them offline, through spread-sheets



Want to understand What risk they pose to their critical customers



Costly & resource-intensive to respond and gains no visibility into risk intelligence

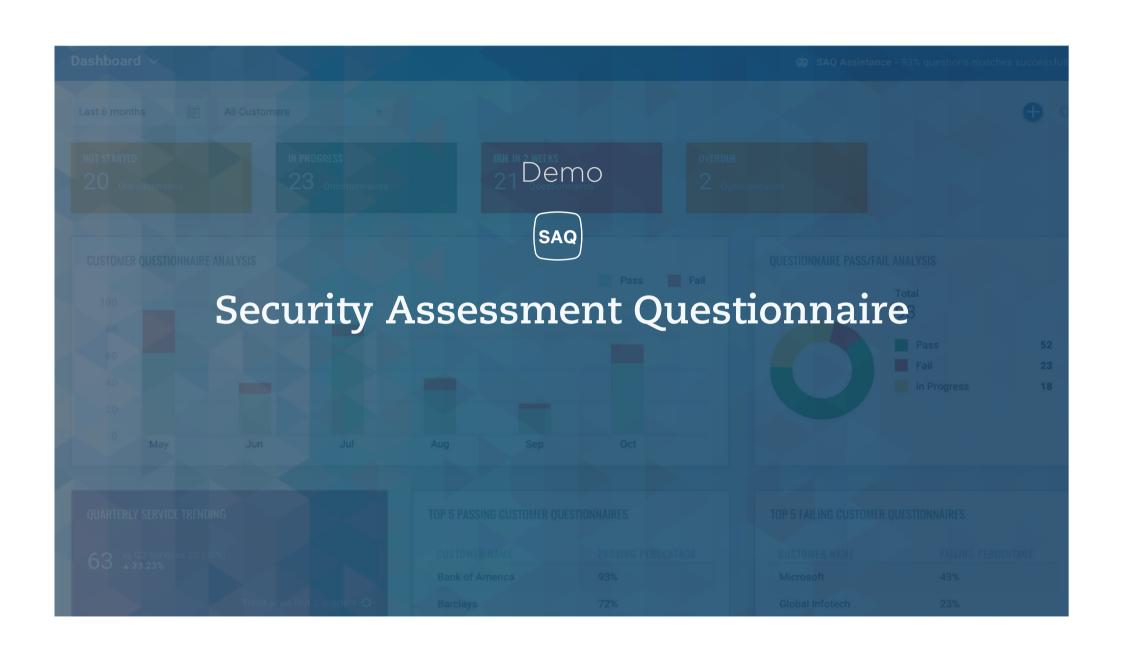


Want to understand the top failing, passing cybersecurity areas/ answers to improve their own internal controls



Wants to drive the vendor-management project to showcase their good security practices and use the data for contract negotiation







Thank You

Shailesh Athalye sathalye@qualys.com